



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Shirley et al.

Confirmation No.: Not yet assigned

Appl No.:

09/188,051

Filed:

November 6, 1998

For:

COMPOSITIONS PROVIDING FOR INCREASED IGF-I SOLUBILITY

Commissioner for Patents Washington, DC 20231

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MAR - 6 2002

SUBMITTAL OF FORMAL DRAWINGS 37 CFR § 1.85(c)

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Sir:

In response to the requirement for new drawings as set forth in Paper No. 22 in the above application, there is enclosed herewith one set (five sheets) of new formal drawings. It is requested that these new drawings be substituted for the originally filed drawings.

Respectfully submitted,

Leslie T. Henry

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Customer No. 00826 **ALSTON & BIRD LLP** Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Raleigh Office (919) 862-2200 Fax Raleigh Office (919) 862-2260

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

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RTA01/2111638v1

Title: Corresitions Providing for Increased IGF-I Solubility Inventor Shirley et al.
Application N: 09/188,051

Atty Dkt No: 5784-25 (35784/172864)

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SOLUBILITY OF rhIGF-I AS A FUNCTION OF ARGININE CONCENTRATION

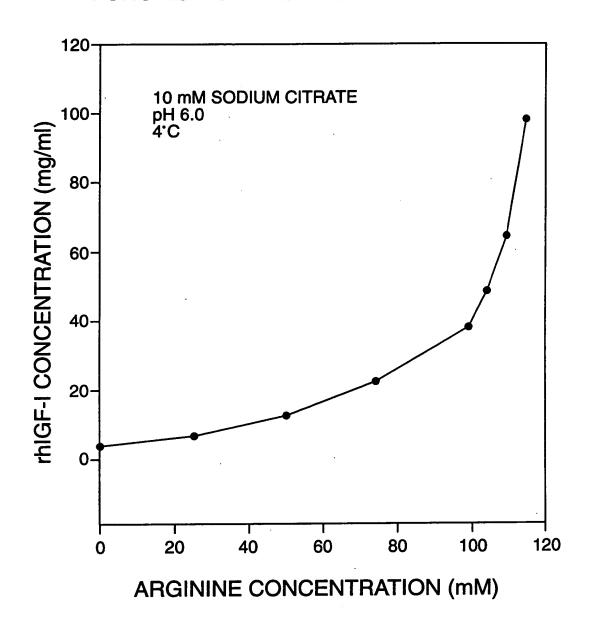


FIG. 1

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rhIGF-1 CONCENTRATION AS A FUNCTION OF ARGININE CONCENTRATION IN ISOTONIC SODIUM CHLORIDE

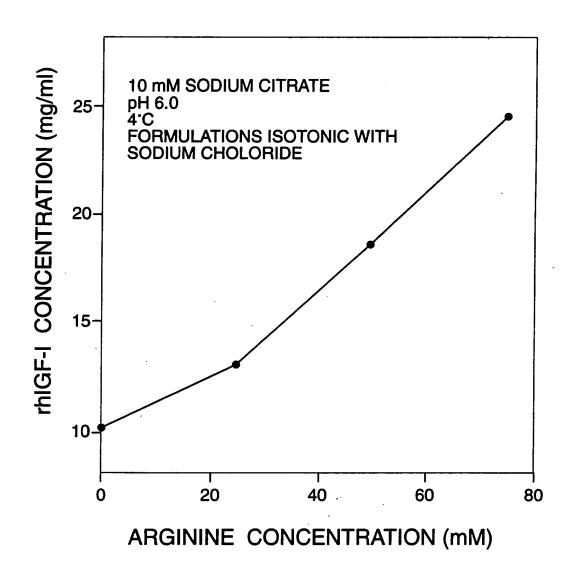
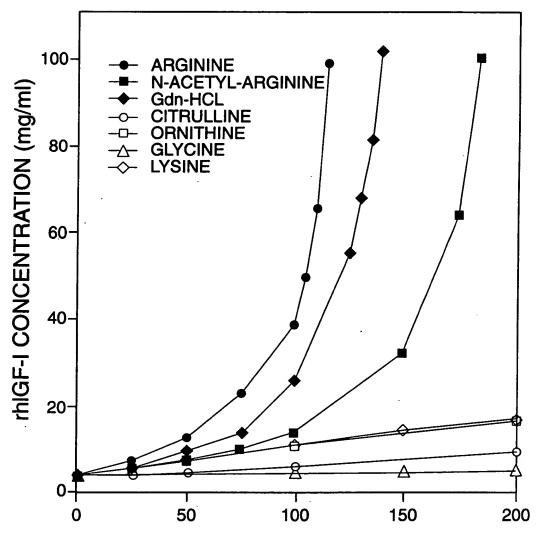


FIG. 2

Compositions Providing for Increased IGF-I Solubility Intor(s): Shirley et al.
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SOLUBILITY OF rhIGF-I AS A FUNCTION OF ARGININE CONCENTRATION AND COMPOUNDS OF SIMILAR STRUCTURE



COMPOUND CONCENTRATION (mM)

FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	574	12

Compositions Providing for Increased IGF-I Solubility htor(s): Shirley et al.
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rhIGF-I SOLUBILITY AS A FUNCTION OF pH

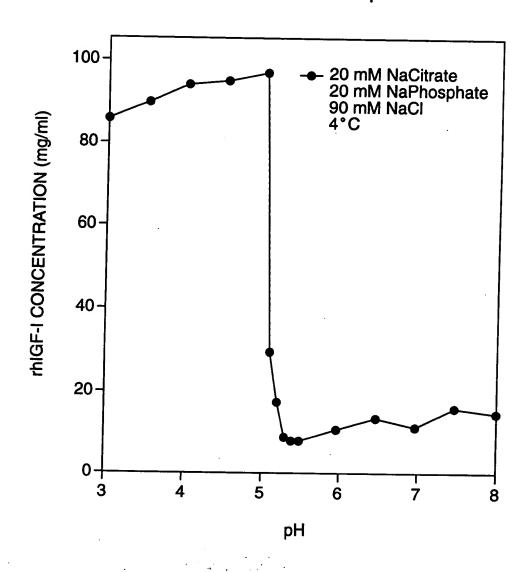


FIG. 4

Title: Compositions Providing for Increased ICF-I Solubility Investigation N: 09/188,051

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rhIGF-I CONCENTRATION OF VIALS FREEZE-THAW -20°C TO 4°C

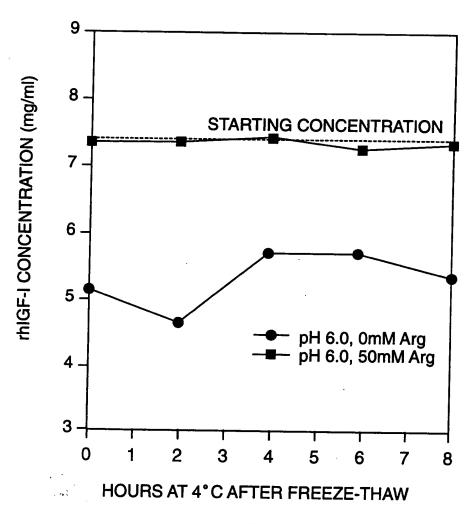


FIG. 5